

VISUAL RATING TRAINING

WSDOT TransAid, will be conducting Pavement Condition Rating Workshops this month. The instructor will be Paul Sachs, TransAid, a leading expert in the implementation and operation of Pavement Management Systems. There will be two separate classes:

April 11-12

Moses Lake - Shilo Inn

or

April 25-26

Tacoma Municipal Bldg.

Upon completion of this course, the participants should be able to rate any of the pavements commonly found in Washington. The rating values obtained using the definitions and methods learned in this course should compare favorably with those obtained and used in the Washington State Pavement Management System. Each participant should be able to perform a pavement condition survey with reasonable objectivity.

A flyer has been sent to all agencies with details. To register please call Laurel Gray at T* Center, (360) 705-7386; for more info call Laurel or Paul Sachs, TransAid, (360) 705-7539

MEETING NOTICES

PUGET SOUND AND NORTHWEST CHAPTERS
will be holding a joint meeting on May 10th in Everett. More details will be found in next month's Newsletter, or call Randy at (206) 388-6420.

SOUTHWEST CHAPTER
No meeting scheduled at press time. For info, call Bill McEntire at (360) 694-2446 ext. 1620.

NORTHEAST CHAPTER
The next NE Chapter will be June 15th tentatively, Chair Howard will be providing details in future issues.

SOUTHEAST CHAPTER
will meet at the Walla Walla Public Works Dept, A and Boeing St intersection, on Wednesday, May 3rd at 10:00 AM. Will include review of Quarterly Meeting, handouts for new agencies. Chair Sue Schuetze (509) 786-5611

EXECUTIVE BOARD
Chair Eric has set an EBoard meeting for May 17th in Ellensburg. EBoard members will receive details, if you care to attend, call Eric at (206) 596-2957 for details and location.

TECHNICAL COMMITTEES

NDT TechCom
Chair Dave Shepard held a successful meeting prior to the Spring Quarterly, the next meeting has not been scheduled, but sometime early summer has been mentioned. Call Dave at (360) 699-2446 ext. 1621 for input.

ADC TechCom
The Interstate ADC Evaluation Project is taking shape. The Committee will meet again March 30th 9:00 am, in Olympia, details will be sent to the Committee, or call Jim at (206) 388-3488.

Visual TechCom
Chair Bill will schedule a meeting for mid-April (probably the week of the 17-21) in the Olympia-Tacoma area, details to be mailed to those who have shown interest, if you are not on his list, call Bill for details, (360) 696-8290

Design TechCom
See the meeting notes herein. The next meeting will be on May 10th in Everett during the afternoon after the Joint Meeting of the NW/PS Chapters. For details Dave Nichols at (360) 754-4580.

**SouthEast Chapter Meeting of the Northwest Pavement Management Association
Minutes of March 1, 1995 Meeting at Franklin County**

Attending:

Sonja Moleff - Benton Co.
Kathleen Neuman - Franklin Co.
Pamela Reynolds - Franklin Co.
Richard Drinkwater - Richland
Randy Bluher - Richland
Paul Rugh - Ellensburg
Bob Davis - Walla Walla Co.
Norm Skiles - Walla Walla Co.
Ron Horn - Garfield Co.
Stephen Yu - Sunnyside
Bob Martin - WSDOT Pasco

Business:

1. "Pavement Surface Condition Rating Video"
We viewed the Video with some discussion afterwards. Ron Horn brought out that we need to use the same people or make sure those doing visual rating are calibrated the same so the results will be consistent year to year. We also discussed the safety factors needed when rating in the field.
2. Bob Martin, WSDOT, presented data on

with products they have used; not enough rain to worry about moisture in their field tests.
3. Newsletter - no questions, but Richland didn't get one.
4. Road Rater - this year's schedule not yet available.

5. Spring Quarterly Meeting - passed out information on the Spring Quarterly.
6. Next SouthEast Chapter Meeting - Will be held Wednesday, May 3rd {see above, at Walla Walla County}.
7. Frost Damage - none really noticed yet, probably won't show up until May.
8. Open Discussion:
Kathleen explained the purpose of these meetings was for us to pass on information that might be useful
Franklin County - have new traffic counters, will be getting a new address.
Garfield County - made a lot of little changes in Chip Seal Program - 3/8" chips, better retention and less rock chip - do in May instead of September, no fines, more rollers, water chips day ahead, most, not wet, good luck with CMS2, no failures in last couple of years.
Walla Walla County - they have made some changes in Chip Seal also, smaller chip - no fines, slow rollers down, do in June. They will be doing about four miles of PCC, 5-6 miles north of Clyde near Lands Ferry. They will put down a couple inches of rock then 8" thick concrete by 24'. The Cement Association hopes to have a "Show and Tell" session in March on this project if anyone is interested.
Sunnyside - will call if they didn't get a copy of the video.

ASCE PAVEMENT DESIGN WORKSHOP

The Spokane Chapter ASCE is sponsoring a Pavement Design Workshop to be held on May 25th 1995. It will be held at Mukogawa Ft. Wright Institute, 4000 W. Randolph Road, Spokane, in "The Commons" Room. The registration fee (which includes dinner) is \$25.00 per attendee if received by May 1, 1995, or \$35.00 per attendee if received after May 1, 1995.

To Register, send your name, firm/agency, and phone and fax numbers with payment (CHECK ONLY, payable to ASCE) to: Gifford Consultants, Attn: Grant Cummings, 2020 E. Springfield, Spokane, WA 99212.

Schedule: 2:30 - 3:00 Registration
 3:00 - 7:00 Pavement Design Workshop
 7:00 - 8:00 Dinner

NWPMA Pavement Design Technical Committee
Notes of Meeting March 2, 1995 at Thurston County

Meeting was convened at 10:00 a.m. by interim Chair Dave Nichols. Those in attendance are as follows:

Randy Firoved, Snohomish Co.
Samuel Obunike, Kirkland
Derald Christensen, MRC
Vince Kiley, Pierce Co.
Eric Edwards, Pierce Co.
Dave Whitcher, CRAB
Reid Wheeler, CRAB
Linda Pierce, WSDOT
Dave Nichols, Thurston Co.

The first order of business was to elect a permanent committee chair for 1995. By acclamation, Dave Nichols was elected chair. It was decided that the chair would make notes of the meetings, therefore the election of a secretary was not necessary.

Linda Pierce from WSDOT Materials Lab gave an update on the new pavement design manual. Linda said the manual is nearly complete and should be ready for publication in April. She provided a copy of the Pavement Design Policy to all attendants. Linda said herself, Joe Mahoney, and Newt Jackson will teach a five day course for local agencies using the pavement design manual. The course will be at the University of Washington in September of October, thru TranSpeed. Linda said the DARWin computer program for calculating pavement designs using the AASHTO method will also be discussed. Linda said all local agencies will get notification of the training. The committee agreed it would be beneficial if all local agencies adopted the new Pavement Design Manual as a standard for design. Reid Wheeler commented that maybe CRAB could purchase a copy of the manual and computer program for each county. Randy Firoved said that it is important for the cities to be able to get the manual and training. It was mentioned that maybe the Pavement Design Committee could coordinate access of the information for the cities. There was some discussion about whether it would be beneficial for agencies to have some training on the new manual prior to the formal training in the fall. It was suggested

that possibly Linda Pierce could do some training of some of the committee members who could in turn disseminate the information to future NWPMA chapter meetings and other technical committee meetings. This could be the first project of the Pavement Design Committee. It was decided that the specifics of this project could be discussed at the EBoard meeting of the NWPMA Spring Quarterly meeting March 21st. Eric Edwards said he would let members know the date and time of the EBoard meeting.

Dave Nichols suggested that maybe another committee project would be to undertake a survey of counties and larger cities in the state to identify what procedures are currently being used for pavement designs. The survey could also ask what things agencies would like to be doing and what roadblocks are preventing them. Dave wondered if the survey should be done by mail or by telephone. Telephone survey can result in more responses to a survey, but they also take a lot of time. It was agreed to discuss this more at the next committee meeting.

Dave Nichols mentioned his letter to Dave Shepard, chair of the NDT committee regarding seasonal correction factors. The Road Rater Study by Mary Rutherford of GeoEngineers was not able to identify appropriate seasonal correction factors based on the data compiled by the study. The report recommended that he continue to gather data from the original test sections to more accurately identify seasonal correction factors. Since this information could be useful for pavement design, Dave suggested that this could be a project for the NDT committee.

There was some discussion on the time and place for the next meeting. Randy Firoved suggested that the committee meetings could be scheduled with chapter meetings or with other technical committee meetings. It was decided that this would be discussed and coordinated further at the EBoard meeting in Vancouver. Chair Dave will let members know the time and location of the next meeting.

Adjourned at 12:00.

NWPMA SPRING QUARTERLY MEETING

Clark County, March 21-22, 1995

Starting right on time, Dave Shepard opened the meeting at 8:00 am. Paul Haines, Clark County Engineer, greeted the group and was impressive with his words as he challenged the group to keep their boundaries unlimited. He talked about staying ahead of the information age, keeping the picture as a whole in focus and not overlooking each leg of engineering. The three basic being (where most of us are located) Technical, Funding, and Institutional.

Round the room introductions showed that there was NEW blood in the group. Total attendance included 41 people. As predicted, the increase is in the infant stage.

REPORTS FROM EACH CHAIR AND TECHCOM:

FAR EAST REGION: Chair Howard Hamby reported good interest in their last meeting. Idaho DOT was in attendance. Still lacking the smaller cities attendance, but hopes to be diligent in his attempt to get involvement there. June Meeting to be announced later.

SOUTHEAST REGION: Chair Sue Schuetze reported attendance of 10. Two new faces. The video on Pavement Condition Rating was shown. Bob Martin WSDOT, talked on Cold Crack Seal vs Hot Crack Seal. Had a comparison report on the two. Next meeting in Walla Walla on May 3. Like Howard, hope to gradually include the smaller cities. Hope to be able to help start the City of Prosser on TransAid Simplified Pavement Management (paper & pen only) soon.

SOUTHWEST REGION: Chair Bill McEntire is stepping down. He hopes to be replaced by someone who could give the time that he hasn't found available. (A big thanks for his involvement in planning the Quarterly.) Next meeting to be announced later.

PUGET SOUND / NORTHWEST REGION COMBINED: Chairs Pat Carroll and Randy Firoved both spoke. Sounds like the attendance is good in this region. Canada is interested in attending these meetings to be a speaker (and have someone from NWPMA attend theirs also). Having the meeting video taped would be nice so that those not being able to attend could view the tape at a later date. Next meeting May 10.

PAVEMENT REHAB & DESIGN: Chair Dave Nichols had 10 people attend. Linda Pierce,

WSDOT, spoke on the new Pavement Design Manual. It is to be published next month, with a 5 day training course available. It is a complicated course, so the idea of an Intro Course was established. It should be available for persons needing this training, so that after attending it they would be ready for the 5 day course.

AUTOMATED DATA COLLECTION: Chair Jim Swearengen reported that the summer testing for Automated Visual Distress Collection is proceeding. Dan Sunde and Paul Sachs helped expand on this subject. Due to events beyond their control (the main man being pulled off the job, finding someone to take his place, a miscommunication, increased costs, etc.) the scope of the project was narrowed from the multiple Automated Data Collection of GPS, Video Logging, and Pavement Distress, to collect only Pavement Distress. Since this is a shared venture with Oregon DOT, those involved decided to advance with the testing rather than jeopardize the project as a whole. The other two collections will be implemented in phases as budget allows. WSDOT, Clark County, City of Vancouver, and Oregon DOT are going to come up with 70 combined test sites, approximately 1000' long. These will be narrowed down to 36 or so sites. Most sites will be on the Westside, but there will be a few on the Eastside. (Dennis Crimmins stated one by Goldendale for sure) Roger Smith from the Texas Transportation Institute will do a mapping of each test site sometime in July when he is available. Vendors have been invited to come and test each site to compare their data with what Mr. Smith has found to be existing. Another aspect would be to have anyone interested, come and rate the test sites to compare their rating techniques and NUMBERS to that of Mr. Smith and the Vendors and other agencies who have collected the data. The sites will be marked in the field and maps provided so that you could rate them when it is convenient for YOU to do so. So far 5 vendors have shown interest: Pavedex; IMS; Pavetech; Roadware; and Pasco. Testing from the above vendors will be open from May 1 to June 30. It is to be remembered that this whole process is to show what each offer, NOT

what they can't do. The next meeting will coincide with the PS/NW Chapter meeting on May 10th. This is one of the most exciting new technical areas and we are all setting on the edge of our seats to see the results... Available late December.

NON-DESTRUCTIVE TESTING: Chair Dave Shepard hosed the meeting prior to the Quarterly, so had good attendance. Everyone brought their Raters down and Bill Johnson was kept busy going through each machine at the shop he had set up. Howard Hamby Spokane County, has a Lotus Spreadsheet that you can use for data entry using the #1 Sensor Raw Data. Dan Sunde offered TransAid help in producing a manual similar to "A GUIDE FOR LOCAL AGENCY PAVEMENT MANAGERS" that was published by his office. It would be a Road Rater Procedures Manual. The committee would provide the meat of the manual, with TransAid using their Tech Writer to help with the compilation of all the information gathered. In addition to the manual, a video would also be produced to help with the morning Walk Around and Checklist. Spring 1996 is a target completion date. It worked GREAT last time!!!!!! Onward and Upward.

SURFACE CONDITION RATING: Chair Bill Whitcomb presented the video "PAVEMENT SURFACE CONDITION RATING VIDEO" produced thru TransAid and Tz Center, spoke on the production of the video, and what is available for the future. Any ideas should be brought to the forefront *immediately* as the time and MONEY are available NOW.....(Sue and Pat move over...Howard is ready to take to the stage!!!!!!)

Chuck Greninger, Grays Harbor County, handed out his published Progress Report on the status of all the Counties and some selected cities RE: where they are were (as of the calling date) with their individual implementation of a Pavement Management System.

Paul Sachs, WSDOT, went through "A GUIDE FOR LOCAL AGENCY PAVEMENT MANAGERS". He sent a copy to the State of Ohio. They want to use the manual to form a Pavement Management System similar to what we do here in Washington State. Paul talked about training available, see the notice on Visual Rating Training herein.

When the GPS and Video phase of the Automated Data Collection phases were put on the back burner, Thurston County decided to forge ahead with their own contract. Les Olsen spoke on gathering Automated GPS information. Putting together a contract, then working with the Contractor when problems arose. There is always the monetary side of a contractor doing something extra or different to further the capabilities of their equipment and product that you want or need, but it's great to see the level of error having been reduced from 300-500 feet down to less than a meter in only one project. We can all benefit from the money Thurston County has spend in this area, and thank them for their efforts not only for Thurston County, but for the Sate of Washington as a whole.

Janice Marlega, Kitsap County, talked about her contract of collecting Automated distress ratings. Problems included beginning milepost locations, patching ratings not consistent, equipment and equipment used different, and not having a test strip implemented. She felt that even after these problems, the data was useable and would begin her data base from this point on. She realized that the cost she obtained for the work would never be seen again., (The \$23 per mile is up to around \$73)

WEDNESDAY, March 22, 8:00 AM

Dan Sunde, TransAid, recapped their support for not only NWPMA but for anyone interested in Pavement Management. In doing so, TransAid has developed a Paper & Pencil version for smaller agencies. If ISTEa was abandoned tomorrow they would still try to provide whatever tools were needed to further the sound engineering practices Pavement Management offers. October 1, 1997 is Full Implementation Date, and Washington state, all the Counties, and a lot of the Cities are well ahead in the game. The BIG letter to introduce the FORMAL KICK OFF will be sent out next week. Look to see the attendance really increase after this mass mailing, at all your chapter meetings!!! The matter of the LOGO is still at the TransAid graphics department. They have a couple of ideas up their sleeve. May 17 Ellensburg EBoard meeting they should have 4 or 5 different selections.

CRAB reports thru Dave Whitcher the Rewrite of CRIS is in the works. New CRIS

might be another CRISmas present. Grandiose schemes include more useable updated fields (1985 being the last) and adding more management fields to help fulfill ISTE requirements. These include, but are not limited to, a Priority Array, Maintenance Management, NDT Module, Ride Module, Traffic Monitoring System, ADT Module, Permit Assistance, etc. PMS Certification was a hot item. The WHEN, WHERE, and HOW are still being worked out. TransAid and CRAB are working hard to simplify this. A couple of ideas were brought out:

IDEA #1 You have completed the requirements (for whatever funding you have applied for) for advertising and are ready to award the contract. Add a line to your resolution to state that you are also in compliance with said requirements of having Management Systems.

IDEA #2 Have a form that needs to be mailed in by January 1 certifying you are in compliance.

Some discussion on the definition of Maintenance vs Construction. State Auditor attempted to define it in the following manner: Less than 0.36' = Maintenance Greater than 0.06' = Construction. There is nothing written as state law but only Agency Interpretations. Six Year Road Program - current is WSDOT FOXPRO1 software. CRIS version is on hold until DOT finally decides what they are doing and settle on a constant format. **BIG NEWS:** Director Vern Wagar retires the end of May, with Eric Berger coming in, or should we say up. Congrats to Eric!

Chad (Cough) Coles, Spokane County, held us all breathless, in his review of tests that they have done regarding "The Effects of Testing at Different Frequencies". They have proven that testing in one spot with different frequency will result in fluctuating results. The testing they did was in 5 MHz increments (for the time being they are concentrating their efforts at the frequency they have been testing at.) With further research - when time becomes available - they hope to test 1 MHz at a time. Chad also had graphs showing who different REMAINING LIFE curves were formed.

Concluding the meeting each agency informally reported about the various levels each are currently at, and where they hope to

be going, It really is a people helping people Association.

Approximately 10 people stayed after lunch to view Clark Counties DSS program. After a few minor problems, they were able to show 1st hand what thier system will do. Watch for some written articles from Clark County, City of Olympia, and Grays Harbor on Success Stories.

Still the same "Cutest Pavement Manager"!

ATTENDANCE

David Cowell, Pacific County
Clint Leppard, Shelton
William Forth, Lewis County
Mike Brown, Camas
Bob Davis, Walla Walla County
Steven Willadson, Bonny Lake
Chuck Greninger, Grays Harbor County
Dave Whitcher, CRAB
Glenn Schneider, WSDOT SE Region
N. Sivanewaran, WSDOT MatLab
Lucy Mills, Kitsap County
Paul Sachs, WSDOT TransAid
Dennis Crimmins, WSDOT MatLab
Greg Stolz, Olympia
Sue Schuetze, Benton County
Pat Carroll, Thurston County
Gene Ryser, CRAB
Bill Will, Clark County
Dave Perez, Pierce County
Jim Swarengin, Snohomish County
Eric Edwards, Pierce County
Chad Coles, Spokane County
Mike Hegenbard, Clackamas County, OR
Everett Hay, Clackamas County, OR
Ron Horn, Garfield County
Dave Hower, Whatcom County
Randy Firoved, Snohomish County
Bill Wressell, Renton
Jim Carothers, Camas
Pam Reynolds, Franklin County
Kathleen Neuman, Franklin County
Dave Nichols, Thurston County
Les Olsen, Thurston County
Bill McEntire, Clark County
Dave Shepard, Clark County
Joanna Jump, Lewis County
Tim Grochowski, Chehalis
Reid Wheeler, CRAB
Hans Cregg, WSDOT
Janice Marlega, Kitsap County
Linda Pierce, WSDOT MatLab

Words From The Chair

I am very pleased at the attendance of our annual Spring Quarterly meeting. Traditionally this gathering was designed specifically as a Non-Destructive Testing Seminar. With the combining of the groups into one Association topics of the meeting expanded to cover all the issues of interest in Pavement Management. This was a very successful meeting. Great enthusiasm was displayed for new and exciting projects on the horizon. The new participation from areas all over the state proved to be invaluable. From these new faces that participated the group has made some very exciting new contacts. It is my hope that the association can continue to provide the feeling of assistance and partnering to draw new faces into the group.

The Association is growing rapidly bounds. Through this process we are experiencing great growing pains. It has become apparent that we as a group need to start focusing on the highest priority tasks that can be accomplished in the coming months.

It has been my objective from the beginning to entertain all ideas, challenges, and projects that this group could accomplish. This will continue to be my objective in voicing all future subjects to the Association. Although in reality we all have other responsibilities and cannot devote the time and resources to accomplishment all that we would like. Therefore I would like to assure all the members of the Association that the Executive Board will put an importance on prioritizing these tasks. The objectives of the Association will be based on what issues have the greatest support from the membership.

In closing I would like to thank Clark County for hosting an exceptional meeting. It was very beneficial meeting and a lot was accomplished. Also I would like to thank all the new attendees. You have made a very important step toward using the best source of information on Pavement Management I feel exists in the country.

To all the members thank you for your continued support. Let us all keep the excitement going and make the rest of the country look to us for what is new and happening in Pavement Management.

Thanks, Eric Edwards

EXECUTIVE BOARD MINUTES

Held at various times at

Spring Quarterly Meeting

Chair Eric Edwards, Pierce County, presiding.

Board decided to keep structure the same for the sake of keeping meetings small and informal, even though it means more meetings to attend. Meeting notices will continue to go out through the Newsletter, to Dave Whitcher at CRAB.

Mailing list: Sue Schuetze, being Secretary, will hold and update the Master Mailing List for the NWPMA. Paul Sachs will send her the list. She will mail one copy to each Region Chair. They will update and return to Sue on a disk. Any additional changes can be FAXED or mailed to Sue. The Regions and Technical Committees will keep their own mailing lists. If you want something mailed to your Chapter JUST *send the printed out labels* along with the document to be sent out to TransAid and *they will reproduce the document, stuff the envelopes, put your label on it and pay for postage.*

The topic of Vendors feeling uncomfortable was brought up. Every effort should be made to include vendors in all aspects of the NWPMA. Keeping their name on the mailing list so they are informed of any changes seemed to be the best idea.

Non-Profit Status: Dave Nichols was nominated to fill out the forms and have them available at the May 17 EBoard meeting in Ellensburg.

Fall Conference: Have the preliminary agenda approved by the EBoard. Possibility of a bowling tournament instead of a golf tournament - due to the rainy weather in October in Olympia - for the Fall Conference. Include Committee Meetings as part of the Fall Conference. Have Vendors in a separate area, not so many as speakers, they could have time to set up their wares and talk to agencies.

Pavement Design Manual Training: Work through Dave Nichols and the Design TechCom and schedule a Pre-Training Session for the Pavement Design Manual Course. It would be a prerequisite for TranSpeed's 5 day Advanced Pavement Design Class. Linda Pierce will be the contact person.

Meeting Schedule: Dave Shepard will write a proposal to change the language of the Charter concerning the number of Quarterly Meetings.

Treasury: The Treasurer reports that there is approximately \$2,602.73. Eric, Randy, and Sue will have their names on the checking account. Checks will be approved by Eric for payments for the Fall Conference. Other items will be approved by the EBoard as a whole.

ANNUAL CONFERENCE

The NWPMA Annual Conference will be held in Olympia the week of October 17- 19. Pat Carroll and Dave Nichols, Thurston County, are the Chairs of the conference, if you have any speakers, topics, or input, please give them a call at (360) 754-4580. Included on the pre-preliminary schedule are: a Thump-off and Rate-off the first morning; banquet including the naming of the 1995 Pavement Manager of the Year; vendor's displays; a bowling and/or golf tourney; and lots of good information! Make your plans NOW!

TRANSPEED COURSES

include a 5 day Advanced Pavement Design course using the new WSDOT Pavement Design Manual sometime this fall in Seattle. Stay tuned for details.

WACRS ROADEO

The Washington Association of County Road Supervisors Rodeo and Conference is scheduled for Wenatchee on May 2th thru 4th. See your Road Supervisor for details.

WSDOT/T² TRAINING

WSDOT/T² has sent out a list of classes available for Local Agencies. Contact **your Training Officer** or **T²** for more info, or arranging additional classes.

Editor's Notes..

Remember, This is your newsletter! If you hear of an event, have a success story, or have anything that would be of interest to our members, please send it to the Editor for inclusion. All Chapter and TechCom Chairs, please send in your meeting announcements and minutes so they can be included, as Dave and Sue have done. Our deadline will be on (or about) the 25th of each month, this allows us to get the Newsletter over to so they can get it into the mail to you in a timely manner. Please share with the rest of the association members, please submit!

**Northwest Pavement Management Association Newsletter
c/o County Road Administration Board
2404 Chandler Court SW, Suite 240
Olympia, WA 98504-09 13**